

No. 819,823.

PATENTED MAY 8, 1906.

L. B. TRIGG.
RAIN WATER CUT-OFF.
APPLICATION FILED MAY 31, 1905.

Fig. 1.

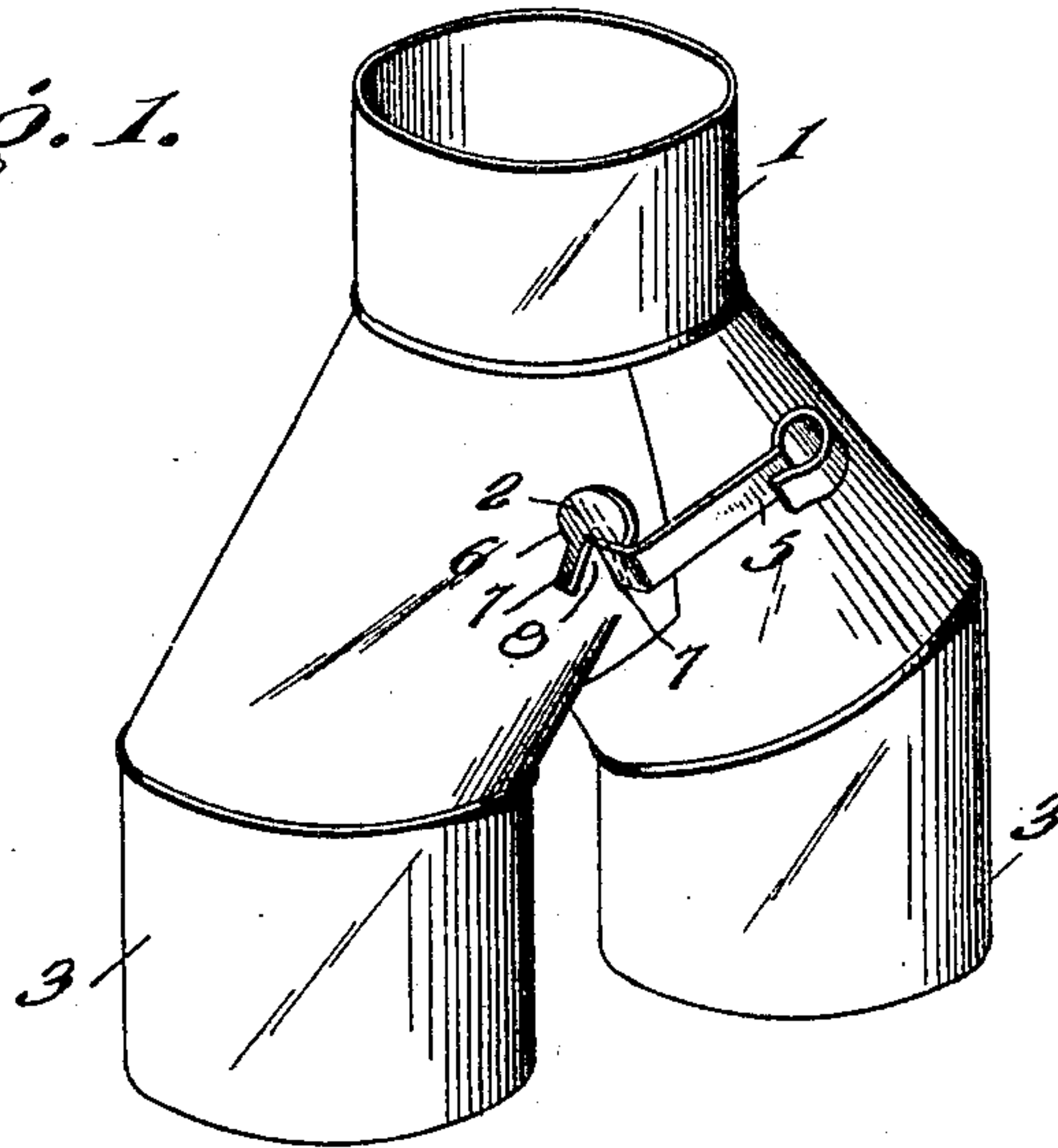


Fig. 3.

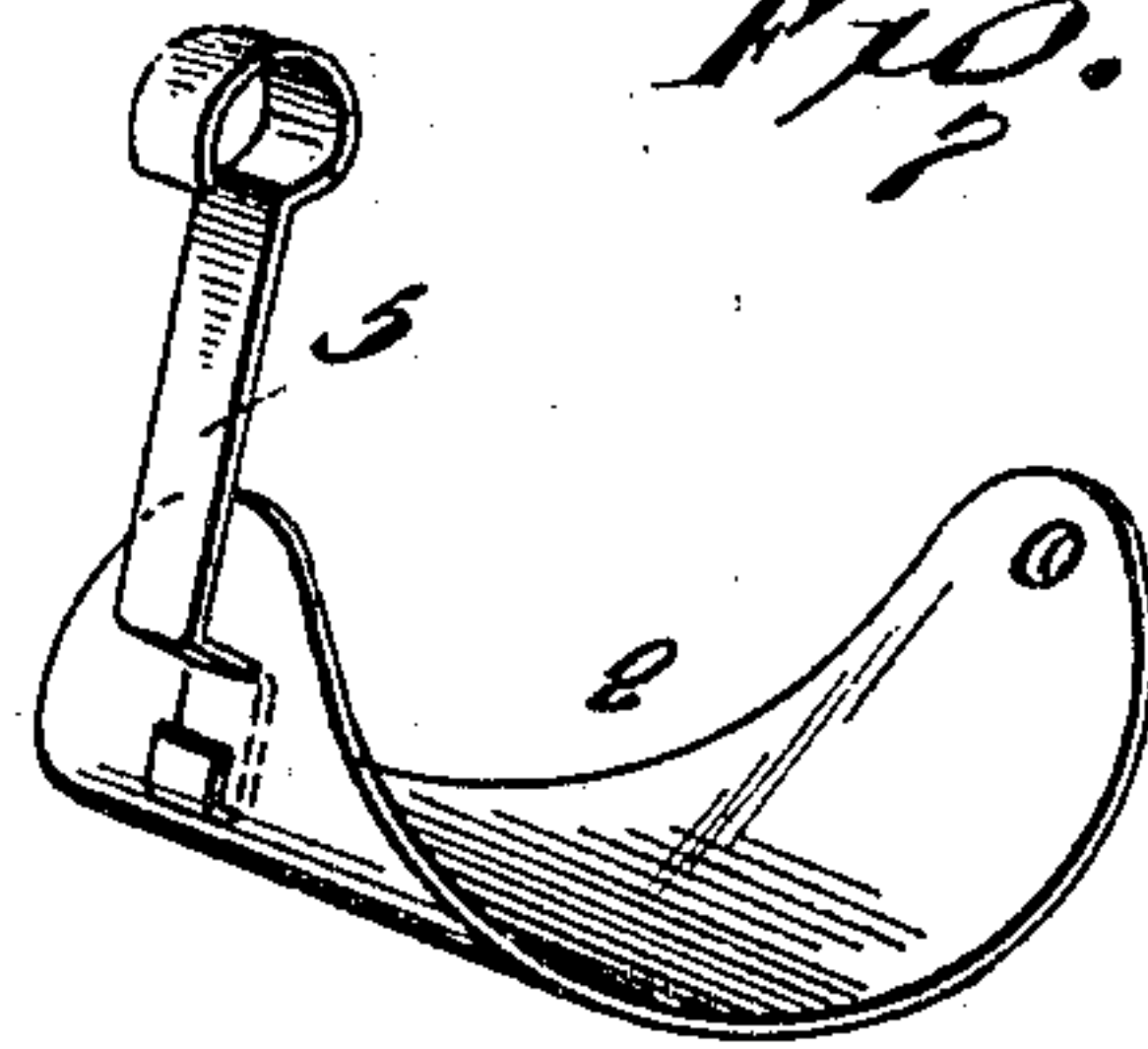
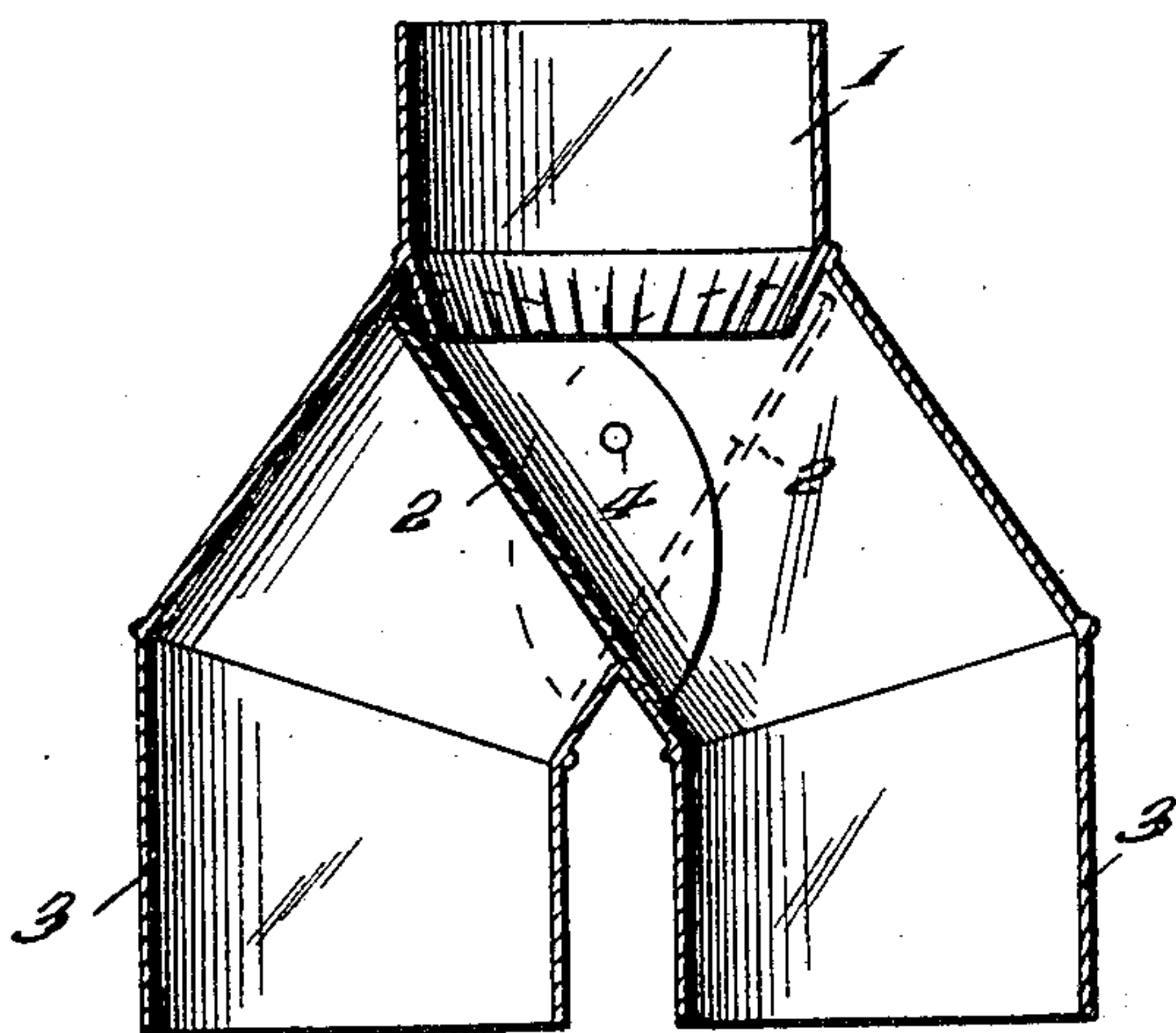


Fig. 2.



Inventor

L. B. Trigg.

Witnesses

Wm. H. Woodson

By

Thos. R. Lee,

Attorney

UNITED STATES PATENT OFFICE.

LOUIS B. TRIGG, OF WHEELING, WEST VIRGINIA.

RAIN-WATER CUT-OFF.

No. 819,823.

Specification of Letters Patent.

Patented May 8, 1906.

Application filed May 31, 1905. Serial No. 263,128.

To all whom it may concern:

Be it known that I, LOUIS B. TRIGG, a citizen of the United States, residing at Wheeling, in the county of Ohio and State of West Virginia, have invented certain new and useful Improvements in Rain-Water Cut-Offs, of which the following is a specification.

This invention relates to rain-water cut-offs of that class wherein divergent pipes are provided at their junction with an internal deflector or cut-off valve, and more particularly to a locking mechanism whereby the cut-off can be held in a fixed position.

It has for its object to produce a device of this character which will be effective in operation, simple and durable in construction, and which can be cheaply manufactured and placed upon the market.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view of a cut-off embodying my invention. Fig. 2 is a vertical longitudinal sectional view. Fig. 3 is a detail perspective view of the cut-off proper with the operating-handle attached thereto.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The numeral 1 designates the collar, which is adapted to be connected to the main pipe and which is contracted at its lower end, so as to deflect the water from the sides of the pipe and to form a recess for the reception of the sides of the cut-off 2. The divergent pipes 3 are connected to the collar 1 in the usual manner and may lead, respectively, to the cistern and to the sewer. The cut-off 2 is of the customary construction and is pivoted at one side upon a stud 4 and is provided at the opposite side with a flattened handle 5, which passes through an opening 6. It will be observed that the handle is attached to the cut-off either with or without the use of solder by passing an end thereof back and forth through approximately parallel slots and bending it back upon the lower side of the cut-off. After passing through the openings 6 the handle 5 is bent upward, so as to

form a lever for operating the cut-off. Two notches or slots 7 extend downward from the opening 6 at angles to each other and are adapted to receive the offset portion of the handle 5 to prevent same from turning when the cut-off is in operative position and deflecting the flow of water into either of the divergent pipes. The strip of metal 8 between the notches 7 is approximately V-shaped, and the vertex thereof extends upward into the opening 6 and serves as a fulcrum upon which the offset portion of the operating-handle can be turned.

In operation the handle is raised so that it will be out of engagement with the notches 7 and turned upon the member 8 as a pivot until the cut-off is in position to deflect the water into the desired pipe and is then pushed down into one of the notches, and thus locked against turning. It will thus be understood that I have invented a lock for cut-offs which can be very easily and quickly operated and which will securely hold the cut-off in the desired position.

Having thus described the invention, what is claimed as new is—

1. In a rain-water cut-off the combination of a spout provided with a clearance-opening having notches in communication therewith, a cut-off coöperating with the spout, and a flattened shaft by means of which the cut-off is operated, said flattened shaft turning freely when moved into the clearance-opening and being locked against turning when thrust into one of the before-mentioned notches in communication with the clearance-opening.

2. In a rain-water cut-off the combination of a spout provided with a clearance-opening having diverging notches in communication therewith, a cut-off coöperating with the spout, and a handle for operating the cut-off, said handle having a flattened portion which turns freely when raised into the clearance-opening, but locks the cut-off in a fixed position when thrust into one of the before-mentioned notches in communication with the clearance-opening.

In testimony whereof I affix my signature in presence of two witnesses.

LOUIS B. TRIGG. [L. s.]

Witnesses:

C. V. ROYCE,
P. H. BACHMAN.